

## CHAMBERS CREEK BASIN

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12090400 NORTH FORK CLOVER CREEK NEAR PARKLAND, WA

LOCATION.--Lat 47°08'05", long 122°24'50", in SE 1/4 NW 1/4 sec.15, T.19 N., R.3 E., Pierce County, Hydrologic Unit 17110019, at Golden Given Avenue crossing, 1.5 mi southeast of Parkland.

DRAINAGE AREA.--6.25 mi<sup>2</sup>.

PERIOD OF RECORD.--Water years 1960-1975 (annual maximum), November 1990 to September 1992, October 1994 to September 1997, October 1997 to April 1999 (seasonal records), October 1999 to September 2000.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 315 ft above sea level, from topographic map.

REMARKS.--Records fair except for those below 5 ft<sup>3</sup>/s, above 200 ft<sup>3</sup>/s, and estimated daily discharges, which are poor. No regulation or diversion upstream from station.

AVERAGE DISCHARGE.--5 years (water years 1992, 1995-97, 2000), 8.64 ft<sup>3</sup>/s, 18.48 in/yr, 6,140 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, not determined Feb. 8, 1996, gage height, 12.81 ft, from outside high-water mark, affected by backwater; minimum discharge, no flow for many days most years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 202 ft<sup>3</sup>/s Dec. 15, gage height, 8.32 ft; minimum discharge, no flow for many days during year.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.33	18	14	60	31	2.0	e1.0	.54	.00	.00	.00
2	.00	.00	28	10	43	31	1.7	.99	.36	.00	.00	.00
3	.00	.00	16	11	23	26	2.7	3.3	.18	5.1	.00	.00
4	.00	.00	9.9	31	14	79	2.7	2.6	.00	1.4	.00	.00
5	.00	.13	13	17	10	30	1.1	7.7	.01	.40	.00	.00
6	.00	5.4	18	12	9.2	16	2.3	9.8	.32	.08	.00	.00
7	.00	.63	13	10	13	10	2.3	4.0	.46	.00	.00	.00
8	1.7	.00	9.5	16	60	7.6	1.1	3.4	.35	.00	.00	.00
9	.01	6.9	13	25	40	7.6	.81	21	.34	.00	.00	.00
10	.00	15	9.7	28	21	6.0	.73	19	1.1	.00	.00	.00
11	.00	12	7.6	28	14	6.2	.56	15	2.8	.00	.00	.00
12	.00	56	28	20	11	5.9	.45	7.4	8.3	.00	.00	.00
13	.00	33	24	16	9.0	8.1	4.7	4.9	3.1	.00	.00	.00
14	.00	12	35	20	17	17	11	3.7	1.5	.00	.00	.00
15	.00	5.8	96	23	20	11	12	2.4	1.1	.00	.00	.00
16	.00	5.4	66	22	13	20	e8.0	1.6	.80	.00	.00	.00
17	.00	16	40	16	9.8	13	e6.0	1.2	.59	.00	.00	.00
18	.00	7.7	37	11	7.9	19	e4.0	1.8	.31	.00	.00	.00
19	.00	5.5	20	8.9	6.9	22	e3.0	6.1	.23	.00	.00	.00
20	.00	11	14	17	6.4	13	e2.0	2.6	.08	.00	.00	.00
21	.00	20	10	15	8.1	10	e1.2	2.3	.00	.00	.00	.00
22	.00	12	8.8	11	18	21	e1.3	2.7	.00	.00	.00	.00
23	.00	8.9	7.6	9.0	20	15	e1.5	1.4	.00	.00	.00	.00
24	.00	14	6.7	7.8	12	9.7	e1.3	.98	.04	.00	.00	.00
25	.03	e110	6.0	7.4	12	6.0	e2.0	.70	.00	.00	.00	.00
26	.00	e75	5.5	6.7	19	4.8	e4.0	.84	.00	.00	.00	.00
27	.95	e30	5.1	5.8	31	5.7	e2.5	1.0	.00	.00	.00	.00
28	2.6	e17	4.8	5.3	18	5.6	e3.0	.71	.00	.00	.00	.00
29	.31	e12	4.4	5.0	49	4.6	e4.0	.95	.00	.00	.00	.00
30	.07	23	4.0	4.8	---	4.3	e1.5	.93	.00	.00	.00	.00
31	4.4	---	6.7	5.3	---	3.4	---	.80	---	.00	.00	---
TOTAL	10.07	514.69	585.3	439.0	595.3	469.5	91.45	132.80	22.51	6.98	0.00	0.00
MEAN	.32	17.2	18.9	14.2	20.5	15.1	3.05	4.28	.75	.23	.000	.000
MAX	4.4	110	96	31	60	79	12	21	8.3	5.1	.00	.00
MIN	.00	.00	4.0	4.8	6.4	3.4	.45	.70	.00	.00	.00	.00
AC-FT	20	1020	1160	871	1180	931	181	263	45	14	.00	.00
CFSM	.05	2.75	3.02	2.27	3.28	2.42	.49	.69	.12	.04	.00	.00
IN.	.06	3.06	3.48	2.61	3.54	2.79	.54	.79	.13	.04	.00	.00

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2000, BY WATER YEAR (WY)

	MEAN	1.17	11.4	22.4	22.7	22.1	13.7	9.17	2.43	.61	.13	.036	.15
MAX	4.24	20.6	40.3	42.2	41.9	23.2	27.8	5.41	2.54	.23	.090	.40	
(WY)	1998	1996	1999	1997	1996	1997	1991	1996	1997	1995	1995	1997	
MIN	.000	2.76	4.68	12.3	9.80	3.73	1.55	.13	.023	.000	.000	.000	
(WY)	1995	1995	1992	1995	1998	1992	1999	1992	1995	1991	1996	2000	

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1991 - 2000
ANNUAL TOTAL		2867.60	
ANNUAL MEAN		7.83	
HIGHEST ANNUAL MEAN			8.48
LOWEST ANNUAL MEAN			11.8
HIGHEST DAILY MEAN	110	Nov 25	400
LOWEST DAILY MEAN	.00	Apr 22	.00
ANNUAL SEVEN-DAY MINIMUM	.00	Oct 1	.00
ANNUAL RUNOFF (AC-FT)		5690	6140
ANNUAL RUNOFF (CFSM)		1.25	1.36
ANNUAL RUNOFF (INCHES)		17.07	18.43
10 PERCENT EXCEEDS	38	20	27
50 PERCENT EXCEEDS	9.6	2.2	2.3
90 PERCENT EXCEEDS	.00	.00	.00

e Estimated